FACILITY A .MIT NO. 13-1260-0005

Page 1 of 21

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Control of Air Pollution in Idaho,

FMC CORPORATION

Permittee, including affiliates, if any

Located at

Pocatello, Idaho

is hereby granted permission to operate the Air

Pollution Source(s) and Control Equipment specified

herein provided the emission limitations, monitoring

requirements and other conditions set forth in the

Source Permit(s) are complied with.

Validation:

Issued <u>February 26, 1980</u>
Expiration <u>February 26, 1985</u>

Miller & Klim

Authorizing Signature

Page 2 of 21

FMC CORPORATI	ON	located need	at Pocatello, Idaho
is hereby grant	ted permission to	operate the followi	ng air pollution
source or conti	rol equipment; Enc	losed shale crushi	ng operation and
covered conve	ying system. Emis	sions controlled b	y 3 baghouses.
			•
			•
Restrictions:		-	
Reserrections.			
Emission Point (Emission Characteristic	Emission Limitations	Monitoring Requirements
#1 Baghouse	Particulate	1.0 lb/hr	Stack test as Required by
#2 Baghouse	Particulate	2.0 lb/hr	Operation and Maintenance
#3 Baghouse	Particulate	3.0 lb/hr	Manual.
		•	
	•		
Conditions:			
When visible e action shall b	e implemented in a	ccordance with pro-	opacity, corrective cedure established in
	and Maintenance Ma: eemed a violation	nual. However, exo of this Permit.	ceeding 5% opacity
			. • · · · · · · · · · · · · · · · · · ·
Validation (if	different from Fac	cility Permit)	·
Issured_		•	•
Expiration	on	C_{11}	

SOURCE	PERMIT	NO.	13-1260-0005-02

Page 3 of 21

FMC CORPORATION located n/e/a/r AT POCATELLO, IDAHO
is hereby granted permission to operate the following air pollution
source or control equipment; #1 calciner and cooler. Emissions from
the calciner are controlled by two scrubbers in parallel; the emissions
from the first cooler section are controlled by a baffled settling
chamber and the exhaust gases are refed to the calciner as preheat air;
the second cooler is divided into two parts - emissions controlled by a
settling chamber and exhausted out a common stack.

Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	38.0 lb/hr	Stack Test as
Scrubber	Particulate	38.0 lb/hr	Required by Operation and Maintenance
Split Cooler Stack	Particulate	16.0 lb/hr	Manual Manual
Stack	Particulate	16.0 lb/hr	

Conditions:

Restrictions:

Validation (if different from Facility Permit)

Issured_____Expiration____

SOURCE	PERMIT	NO. 13	-1260	-0005	-03	
		Page	e 4	of	21	

FMC CORPORATION located negrate Pocatello, Idaho
s hereby granted permission to operate the following air pollution
ource or control equipment; #2 calciner and cooler. Emissions from
the calciner are controlled by two scrubbers in parallel; the emissions
from the first cooler section are controlled by a baffled settling
chamber and the exhaust gases are refed to the calciner as preheat air;
the second cooler is divided into two parts - emissions controlled by
a baffled settling chamber and exhausted out two stacks, one for each
section.

Restrictions:

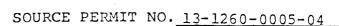
Emission Point Ch	Emission aracteristic	Emission Limitations	Monitoring Requirements
Scrubber #1	Particulate	38.0 lb/hr	Stack Test as
Scrubber # 2	Particulate	38.0 lb/hr	Required by Operation and
Cooler Stack #1	Particulate	36.0 lb/hr	Maintenance Manual.
Cooler Stack #2	Particulate	25.0 lb/hr	

Conditions:

Validation (if different from Facility Permit)

Issured____

Expiration____



Page 5 of **2**1

FMC CORPORAT	TON	located no	at Pocatello, Idaho
THE CONTONAL	1011		yyr at rocatello, Idallo
is hereby gra	nted permission	to operate the follo	owing air pollution
source or con	trol equipment;	Reclaim area and tr	ansfer of briquets
with emission	ns controlled by	2 baghouses.	
Restrictions:			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
North Nodule Reclaim	Particulate	3.0 lb/hr	Stack Test as
South Nodule Reclaim	Particulate	3.0 lb/hr	Required by Operation and Maintenance Manual.
		•	

Conditions:

When visible emissions from the baghouse exceed 5% opacity, corrective action shall be implemented in accordance with procedure established in the Operation and Maintenance Manual. However, exceeding 5% opacity shall not be deemed a violation of this Permit.

Validation (if different from Facility Permit)

Issur	ed	 	
Expir	ation	, , , , , , , , , , , , , , , , , , , ,	

Page 6 of 21

FMC CORPORATION	locate	ed n/e/a/r at	Pocatello,	Idaho
is hereby granted permission	to operate the f	following	air pollutio	n
source or control equipment;	Proportioning s	ystem, inc	luding nodu	les and
silica, controlled by 3 bagho	ouses (East and	West Nodul	e Baghouses	and
Silo Baghouse).				
tana diga diga di santa da	· · · · · · · · · · · · · · · · · · ·			
-				
				<u></u>
			·	
Restrictions:				
			·	
Emission Emission Point Characteristic	Emission Limitation		onitoring quirements	
East Nodule Particulate Baghouse	3.0 lb/h		ack Test as	
West Nodule Particulate	3.0 lb/h	r Op	quired by eration and	
Baghouse Silo Baghouse Particulate	3.0 lb/h		intenan c e nual	

Conditions:

When visible emissions from the baghouse exceed 5% opacity, corrective action shall be implemented in accordance with procedure established in the Operation and Maintenance Manual. However, exceeding 5% opacity shall not be deemed a violation of this Permit.

Validation (if different from Facility Permit)

Issured	
Expiration	

		SOURCE PERMIT N	0. 13-1260-0005-06
			Page7 of
FMC CORPORAT	TION	located n/e	ar at Pocatello, Idaho
	anted permission to o		
source or co	ntrol equipment; Fur	nace burdening sy	ystem, controlled by
two baghouse	es on the four furnac	es.	
	en e		
Restrictions	•		
Webelite Croup	•		
		•	
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
#1 Burden			
Baghouse	Particulate	6.0 lb/hr	Stack Test as Required by
#2 Burden	.	6 0 71 //	Operation and
Baghouse	Particulate	6.0 lb/hr	Maintenance Manual.
• •		•	
•			
action shall the Operation	e emissions from a bac be implemented in ac on and Maintenance Mar e deemed a violation o	ccordance with pr nual. However, e	ocedures established in

Validation (if different from Facility Permit)

Issured______Expiration_____

SOURCE	PERMIT	NO.	13-	1260-	-0005-07
--------	--------	-----	-----	-------	----------

্ব

Authorizing Signature

Page 8 of 21°

FMC CORPORAT	ION	located ne	4/r_at_Pocatello, Idaho
			7- as rocaterroy radiio
is hereby gra	anted permission to	operate the follo	wing air pollution
source or con	trol equipment; Cok	e handling system	m with emissions
controlled b	y a baghouse.		
	•		
		·	
Restrictions:			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse	Particulate	3.0 lb/hr	Stack Test as Required by
		•	Operation and Maintenance Manual.
			randar.
•			
Conditions:			
the Operation	n and Maintenance Mar	ccordance with pronual. However, e	ocedures established in
shall not be	deemed a violation of	of this Permit.	
Validation (i	f different from Fac	ility Permit)	
Issured		•	
Expirat	ion		2

View of		`	•		
•		SOURCE PERMIT	NO. 13-126	50-0005-08	
•			Pageg	of <u>21</u>	-
FMC CORPORATION	·	located n	e/a/r at Poo	catello, Idal	ho
is hereby granted permiss	sion to op	erate the foll	owing air	pollution	
source or control equipme	ent; #1 el	lectric arc fu	rnace, with	ı tapping	
emissions controlle	d by 2 Med	lusa scrubbers	in a cross	over network	k
followed by an Ande	rsen conti	col system.			
	· ·				
Restrictions:					
Emission Emission		Emission -	Monit		٠.
Point Characteris	tic	Limitations	Requir	ements	
Andersen system Particu	late	5.0 lb/hr		Test as	
				red by	
		•		enance	
•			Manua	.1.	
		· ,			
•					
•					
Conditions:		,			٠
When visible emissions fraction shall be implement the Operation and Mainten shall not be deemed a vic	com <i>a bayaya</i> ed in acc ance Manu	ordance with p al. However,	opacity, rocedures	established	in
Validation (if different	from Facil	lity Permit)			

- Wilt

Issured_

Expiration

Page 10 of 21

FMC CORPORAT	CION	located ne	Ar at Pocatello, Idal	10_
is hereby gr	anted permission to o	operate the follo	owing air pollution	
source or co	ntrol equipment; #2	electric arc fur	nace, with tapping	
emissions co	ontrolled by 2 Medusa	scrubbers in a	crossover network	
followed by	an Andersen control	system.		
Restrictions	:			
		· ·		. —
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements	
Andersen sys	tem Particulate	5.0 lb/hr	Stack Test as	
			Required by Operation and	
		•	Maintenance Manual.	
				٠
		,		
	•			
action shall the Operation	emissions from a/bag	ccordance with pr nual. However, e	opacity, corrective occedures established	in
Validation (i	f different from Fac	ility Permit)	•.	
Issured		. •		
Expirat	ion		1	

COUDER	DEDMIT	NO	12-1260-0005-10
SOURCE	PERMIT	MO.	13-1260-0005-10

Authorizing Signature

Page 11 of 21

FMC CORPORATION	located hear at Pocatello, Idaho
is hereby granted permission to	operate the following air pollution
source or control equipment; #3	electric arc furnace, with tapping
emissions controlled by 2 Medus	sa scrubbers in a crossover network
followed by an Andersen control	system.
Restrictions:	
Emission Emission Point Characteristic	Emission Monitoring Limitations Requirements
Andersen system Particulate	5.0 lb/hr Stack Test as Required by Operation and Maintenance Manual.
	Manual.
When visible emissions from #/\psi_0 action shall be implemented in a	Andersen Control System Addition of this Permit.
Validation (if different from Fa	cility Permit)
Issured	
Expiration	

Authorizing Signature

Page 12 of 21

FMC CORPORAT	ION	located n/c/	//r_at Pocatello, Idaho
is hereby gra	ented permission to	operate the follow	wing air pollution
source or con	ntrol equipment; #	4 electric arc furn	ace, with tapping
emissions co	ntrolled by 2 Medu	sa scrubbers in a c	rossover network
followed by	an Andersen contro	l system.	
	and the second seco		
Restrictions:		:	
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Andersen syst	tem Particulate	5.0 lb/hr	Stack Test as Required by Operation and Maintenance Manual.
action shall the Operation	emissions from 4/2 be implemented in	accordance with pro Manual. However, ex	opacity, corrective ocedures established in
Validation (i	f different from Fa	acility Permit)	•
Issured_			
Expirati	ion		1

14.	•••	•
	SOURCE PERMIT N	0. 13-1260-0005-12
		Page 13 of 21 *
FMC CORPORATION	located my	dd at Pocatello, Idaho
is hereby granted permission to	operate the follo	wing air pollution
source or control equipment; Dus	st Disposal system	from FBD electrostation
precipitator controlled by a scr	rubber.	
Restrictions:		
Emission Emission Point Characteristic	Emission Limitations	Monitoring Requirements
Scrubber Particulate	22.0 lb/hr	Stack Test as Required by Operation and Maintenance Manual.
	•	
•		
Conditions:	· t	en e
Validation (if different from Fac	cility Permit)	•

Issured_

Expiration_

•				Page 14	of 21
FMC CORPORATI	ION		located n	Utyr at Pocat	ello, Idaho
is hereby gra	nted permission	to ope	rate the foll	owing air po	llution
source or con	trol equipment;_	carbo	n monoxide fla	are pit - use	ed to contro
	de pressure in				
Restrictions:					
Emission Point	Emission Characteristic		Emission Limitations	Monitor: Requireme	
General provi	sions of the Rul	les and	l Regulations	for the Cont	rol of
			•		
Conditions:					
Validation (if	different from	Facil	ity Permit)		
Issured			J - CIMIC)		•
Expirati	.on			0	

Page 15 of 21

FMC CORPORAT	ION	located n	type at Pocatello, Idaho
is hereby gra	nnted permission	to operate the foll	owing air pollution
source or con	trol equipment;_	P4 dock, with wet w	vall electrostatic
precipitator	to control emiss	ions from rail load	ling of phosphorus.
			: ·
Restrictions:	and the second s	angan angang	
	· ·		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Precipitator	Particulate	3.0 lb/hr	Stack Test as Required by Operation and Maintenance
	·		Manual.
		•	
Conditions:			
	• .		
		•	
Validation (i.	f different from	Facility Permit)	
Issured			
Expirat	ion		
		Authorizin	og Signature

SOURCE	PERMIT	NO.	13-1260-0005-15
2001101	+ +		13 1200 0003-13

Page 16 of 21 *

FMC CORPORATION		located /	344 at Poca	atello, Idaho
is hereby granted permiss	ion to oper	ate the foll	lowing air p	ollution
source or control equipme	ont. Three	hoilers fir	ed: by nature	ol ane with
		BOTTETS FIT	ed by Hatura	il gas with
distillate fuel oil as st	tandby.			
,				
,			· .	
	,	<u></u>		
Restrictions:				
Emission Emission Point Characteris		Emission imitations	Monito Require	
Sulfur limited in distill of the Rules and Regulati	ate fuel gr	ades as defi Control of	ined in Sect Air Polluti	ion 1-1354 on in Idaho.
			•	
		*		
Conditions:				
		* E.		
		. •		
		•		
'alidation (if different f	from Facilit	ty Permit)		
Issured		• .		
Expiration		<i>-</i>		
		7/1	ilt.	110
		Authorizin	ng Signature	*/

COUDCE	DEDMIT	NIO	12 1260 0000 16
SOUNCE	PERMIT	NO.	13-1260-0005-16

Page <u>17</u> of <u>21</u>

FMC CORPO	RATION	located	ny at Pocatello, Idaho
			lowing air pollution
source or	<pre>control equipment;_</pre>	Nodule stockpiling	g ladders, controlled by
a baghous	e		
-	· · · · · · · · · · · · · · · · · · ·		

	٠.		
Restrictio	ns:		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Stockpile			
Baghouse	Particulate	3.0 lb/hr	Stack Test as
			Required by Operation and
		e e e e e e e e e e e e e e e e e e e	Maintenance
			Manual.
			•
the Operat	le emissions from a ll be implemented in	n accordance with p Manual. However.	% opacity, corrective procedures established in exceeding 5% opacity
Validation	(if different from	Facility Permit)	
Issu	•		
Expi	cation	_	, 1

Page 18 of 21 *

<u>.</u> ,		
FMC CORPORATION	located near	at Pocatello, Idaho
is hereby granted permission to o	perate the followi	ng air pollution
source or control equipment; All	haul and access ro	oads, parking areas,
and other areas with potential for	or fugitive dust pr	coduction.
		•
Restrictions: Emission Emission	Emission	Monitoring
Point Characteristic	Limitations	Requirements
Plant roads and parking areas. Fugitive Dust	See conditions below.	Recording and monitoring as required by Operation and Maintenance Manual.
Conditions: 1. All unpaved roads and parking a chemical suppressant in accin the Operation and Maintena 2. All paved roads shall be main sweeping or wet washing. The in accordance with the proced Maintenance Manual. Validation (if different from Factors)	ordance with the parce Manual. tained in a clean removal of dust saves established in	rocedures established condition by wet hall be accomplished
Issured		

Expiration_

FACILITY PERMIT NO. <u>13-1260-0005</u> .

Page 19 of 21

PART II GENERAL PROVISIONS

- All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- The permittee shall at all times (except as provided in the Rules and Regulations for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - 1) To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

Page 20 of 21 *

- any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit, and to sample any emission of pollutants.
- Except for data determined to be confidential under Section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- E Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state or local law or regulation, except as specifically provided herein.
- In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit

FACILITY PERMIT NO. 13-1260-0005

Page 21 of 21

such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.

- If the Director may require the permittee to develop a list of Operation and Maintenance Procedures which must by approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to the scheduled date of any emissions test required pursuant to this permit. The permittee shall notify the appropriate regional office of any change in the testing schedule and shall provide at least one (1) days notice prior to conducting any rescheduled test. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.